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pcT/US2004/042663

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 GO1N29/02 GO1N29/22 GO1N29/24 H01L41/047 H03H9/05 H05K3/32 H01L21/60 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) GOIN HOIL HO3H HO5K IPC 7 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to dalm No. US 6 287 894 B1 (SAWIN RAYMOND L) 1-3,5-7, 11 September 2001 (2001-09-11) 19-23 abstract; claim 1; figures 1-5 4,8-18 column 1, line 5 - column 6, line 20 US 6 556 105 B1 (NGUYEN NGOC-TUAN ET AL) 1-3,5-7,29 April 2003 (2003-04-29) 19-23 abstract; claim 1; figures 3a-8 4,8-18 column 2, line 54 - column 4, line 67 PATENT ABSTRACTS OF JAPAN 1-3,5-7, vol. 1997, no. 10, 19-23 31 October 1997 (1997-10-31) & JP 09 162693 A (KOKUSAI ELECTRIC CO LTD), 20 June 1997 (1997-06-20) abstract 4.8-18 Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents : "T" later document published after the International filing date or priority date and not in conflict with the application but "A" document defining the general state of the art which is not cited to understand the principle or theory underlying the considered to be of particular relevance earlier document but published on or after the international "X" document of particular relevance; the claimed invention filing date cannot be considered novel or cannot be considered to "L" document which may throw doubts on priority claim(s) or which is clied to establish the publication date of another Involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention citation or other special reason (as specified) cannot be considered to involve an inventive step when the "O" document referring to an oral disclosure, use, exhibition or document is combined with one or more other such docuother means ments, such combination being obvious to a person skilled in the art. document published prior to the international filing date but tater than the priority date claimed "&" document member of the same patent family Date of the ectual completion of the international search Date of mailing of the International search report 16/06/2005 10 June 2005 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Uttenthaler, E

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